



# Certificate of Analysis

Number: 2500-22080114-001A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton  
Civitas Resources  
4301 Industrial Parkway  
Evans, CO 80620

Aug. 19, 2022

Station Name: NP 21-24-34 HNB GLM  
Station Number: 66010357  
Station Location: NP T-27 Pad  
Sample Point: Meter Tube Run  
Analyzed: 08/18/2022 14:18:34 by RHJ

Sampled By: Russ Fox  
Sample Of: Gas Spot  
Sample Date: 08/05/2022 12:40  
Sample Conditions: 921.33 psig, @ 108.87 °F  
Method: GPA-2261M  
Cylinder No: 2500-01867

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+
Nitrogen	0.3909	0.463		GPM TOTAL C3+
Carbon Dioxide	2.3315	4.339		GPM TOTAL iC5+
Methane	69.5020	47.152		
Ethane	14.5200	18.464	3.900	
Propane	7.9767	14.875	2.207	
Iso-butane	0.8965	2.204	0.295	
n-Butane	2.5732	6.325	0.815	
Iso-pentane	0.5156	1.573	0.189	
n-Pentane	0.5530	1.687	0.201	
Hexanes Plus	0.7405	2.918	0.325	
	100.0000	100.000	7.932	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8199	3.2176
Calculated Molecular Weight	23.65	93.19
Compressibility Factor	0.9954	
<b>GPA 2172 Calculation:</b>		
<b>Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia &amp; 60°F</b>		
Real Gas Dry BTU	1363	5141
Water Sat. Gas Base BTU	1340	5052
<b>Comments:</b> H2S Field Content 1.25 ppm		

*Ryleigh Jacobs*

Data reviewed by: Ryleigh Jacobs, Laboratory Analyst

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.